

IN THE CLAIMS

**What is claimed is:**

1. A method of deriving information based on activities of a plurality of mobile users, the method comprising:  
  
tracking movement of a plurality of mobile users across a wireless network;  
  
identifying a group of mobile users engaged in a common location-based activity from the plurality of mobile users based on the tracked movement; and  
  
determining a group property associated with the group of mobile users.
2. The method according to claim 1, wherein the location-based activity is selected from a group consisting of traveling in a geographic region, traveling to a geographic region, traveling from a geographic region, and being in a geographic region but not traveling.
3. The method according to claim 1, further comprising deriving a group condition based on the determined group property.
4. The method according to claim 3, wherein the derived group condition comprises a traffic condition in a geographic region.

5. The method according to claim 4, further comprising providing customized services to at least one mobile user of the group based on the derived traffic condition.

6. The method according to claim 5, wherein the customized services include providing alternate routes in the event the derived traffic condition corresponds to traffic congestion.

7. The method according to claim 3, further comprising providing information corresponding to the derived group condition to an interested party.

8. The method according to claim 3, further comprising:  
identifying a second group of mobile users having a potential interest in obtaining the derived group condition; and  
providing the derived group condition to the one or more mobile users of the second group.

9. The method according to claim 1, further comprising:  
identifying a second group of mobile users having a potential interest in obtaining the determined group property; and  
providing the determined group property to the one or more mobile users of the second group.

10. The method according to claim 1, further comprising dynamically updating group information corresponding to the mobile users of the group.

11. The method according to claim 10, wherein the updating includes modifying the group information to reflect one of an addition of a new mobile user to the group and a deletion of a mobile user from the group.

12. The method according to claim 10, wherein the updating includes modifying the group information to reflect new activity information of mobile users of the group.

13. The method according to claim 1, further comprising providing customized service to at least one mobile user of the group based on the one or more determined group properties.

14. The method according to claim 1, further comprising maintaining a database of information including at least one of group information corresponding to the mobile users of the group, group conditions and group properties.

15. The method according to claim 14, further comprising dynamically updating the database of information based on the activities of the plurality of mobile users.

16. The method according to claim 15, wherein the plurality of mobile users are tracked based on the database of information.

17. A method of providing services to a plurality of mobile users, the method comprising:

tracking the mobile users across a wireless network;

identifying a group of mobile users sharing one or more common traits from the mobile users; and

providing customized service to at least one mobile user of the group of mobile users based on the one or more common traits.

18. The method according to claim 17, wherein tracking the mobile users comprises tracking movement of the mobile users and identifying a group of mobile users comprises identifying a group of mobile users engaged in one or more common location-based activities.

19. A method of deriving information based on activities of mobile users, the method comprising:

tracking the mobile users across one or more wireless networks;

identifying a group of mobile users sharing one or more common traits from the mobile users; and

determining one of a group condition and a group property of the identified group of mobile users.

20. A system for deriving information based on the activity of mobile users, the system comprising:

memory medium for maintaining information corresponding to a movement of mobile users in order to track the movement of mobile users; and

at least one processor for identifying a group of mobile users engaged in one or more common location-based activities from the mobile users based on the tracked movement and for determining a group property associated with the group of mobile users.

21. The system according to claim 20, wherein the location-based activity is selected from a group consisting of traveling in a geographic region, traveling to a geographic region, traveling from a geographic region, and being in a geographic region but not traveling.

22. The system according to claim 20, wherein the processor further derives a group condition based on the determined group property.

23. The system according to claim 22, wherein the derived group condition comprises a traffic condition in a geographic region.

24. The system according to claim 23, wherein customized services are provided to at least one mobile user of the group based on the derived traffic condition.

25. The system according to claim 24, wherein the customized services include providing alternate routes in the event the derived traffic condition corresponds to traffic congestion.

26. The system according to claim 22, wherein information corresponding to the derived group condition is provided to an interested party.

27. The system according to claim 22, wherein a second group of mobile users having a potential interest in obtaining the derived group condition is identified, and the derived group condition is provided to the one or more mobile users of the second group.

28. The system according to claim 20, wherein a second group of mobile users having a potential interest in obtaining the determined group property is identified, and the determined group property is provided to the one or more mobile users of the second group.

29. The system according to claim 20, wherein group information corresponding to the mobile users of the group is dynamically updated.

30. The system according to claim 29, wherein the group information is updated by modifying the group information to reflect one of an addition of a new mobile user to the group and a deletion of a mobile user from the group.

31. The system according to claim 29, wherein the group information is updated by modifying the group information to reflect new activity information of mobile users of the group.

32. The system according to claim 20, wherein customized service is provided to at least one mobile user of the group based on the one or more determined group properties.

33. The system according to claim 20, wherein the memory medium further maintains a database of information including at least one of group information corresponding to the mobile users of the group, group conditions and group properties.

34. The system according to claim 33, wherein the database of information is dynamically updated based on the activities of the plurality of mobile users.

35. The system according to claim 34, wherein the plurality of mobile users is tracked based on the database of information.

36. A system for providing customized services to mobile users, comprising:  
memory medium for maintaining information corresponding to the mobile users in order to track the mobile users; and

at least one processor for identifying a group of mobile users sharing one or more common traits from the mobile users and facilitating provision of customized service to at least one mobile user of the group based on the one or more common traits.

37. The system according to claim 36, wherein the memory medium maintains movement information of the mobile users to track the movement of the mobile users, and the processor identifies a group of mobile users engaged in one or more common location-based activities.

38. A system for determining group characterization of mobile users based on the activity of the mobile users, comprising:

memory medium for maintaining information on the mobile users to track the mobile users; and

at least one processor for identifying a group of mobile users sharing one or more common traits from the mobile users, and for determining one of a group condition and a group property of the identified group of mobile users.

39. A method of deriving information based on activities of a plurality of mobile users, the method comprising:

tracking movement of a plurality of mobile users operating mobile communication devices, across a wireless network;

identifying a group of mobile users traveling around a particular area;

determining a group velocity associated with the group of mobile users; and



deriving a traffic condition around the particular area based on the determined group velocity.

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